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**Lab Dept:** Urine/Stool

**Test Name:** CARBOHYDRATE, RANDOM URINE

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***General Information***

**Lab Order Codes:** CARBO

**Synonyms:** Disaccharide Screening; Fructose; Lactose; Maltose; Monosaccharide Screening; Reducing Substances Qualitative Urine; Saccharides Urine; Succinylnucleotidase Screening; Sucrose

**CPT Codes:** 84377 – Sugars, single qualitative, each specimen  
82760 – Galactose (if appropriate)  
82945 – Glucose (if appropriate)

**Test Includes:** Testing begins with carbohydrate analysis. If qualitative results are normal or abnormal but not indicative of galactose or glucose, testing is complete.

If qualitative results indicate the presence of galactose, then quantitative testing for galactose will be performed at additional charge. If qualitative results indicate the presence of glucose, then random glucose testing will be performed at an additional charge.

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***Logistics***

**Test Indications:** Screening for disorders with increased excretion of carbohydrates. This test is not recommended as a follow-up test for abnormal newborn screening for galactosemia.

**Lab Testing Sections:** Chemistry - Sendouts

**Referred to:** Mayo Medical Laboratories (MML Test: CHOU)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 8 – 15 days, test performed Tuesdays

**Special Instructions:** See [Patient Preparation](#)

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***Specimen***

**Specimen Type:** Urine, random

<b>Container:</b>	Screw-capped urine container
<b>Draw Volume:</b>	Entire random urine collection
<b>Processed Volume:</b>	5 mL (Minimum: 1 mL) random urine
<b>Collection:</b>	Voided or catheterized urine specimen
<b>Special Processing:</b>	Lab Staff: Mix specimen well. Aliquot/transfer 5 mL urine into a plastic, 10 mL urine tube. Store and ship at frozen temperatures. Forward promptly.
<b>Patient Preparation:</b>	Early morning specimens are preferred
<b>Sample Rejection:</b>	Specimens other than urine; warm specimens; mislabeled or unlabeled specimens

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### ***Interpretive***

<b>Reference Range:</b>	Negative, if positive, carbohydrate is identified. An interpretive comment is provided that includes the name of the identified saccharide and the probable source.
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	A number of compounds (identifiable by the technique used) interfere with the assay; microbial contamination can lead to uninterpretable patterns of urinary saccharides. Retesting will be recommended in these cases.
<b>Methodology:</b>	Thin-Layer Chromatography (TLC), Qualitative
<b>References:</b>	<a href="#">Mayo Medical Laboratories</a> April 2021